

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IL2005/000191

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04M1/725 G08C17/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G08C H04B H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 314 297 B1 (KARL MATTHIAS) 6 November 2001 (2001-11-06) column 1, line 55 - line 57 column 2, line 6 - column 3, line 57 -----	1,3,5,6, 8,17,19, 20,25, 27-29
X	US 5 646 608 A (SHINTANI ET AL) 8 July 1997 (1997-07-08)	1,4-6,8, 17, 19-21, 25,28, 29,35
Y	column 3, line 35 - column 6, line 59 ----- -/--	7,30

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

8 June 2005

Date of mailing of the international search report

09. 09. 2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Pham, P

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IL2005/000191

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 552 806 A (LENCHIK ET AL) 3 September 1996 (1996-09-03) column 2, line 22 - column 5, line 33 -----	1,3,5,6, 8,9,17, 19,20, 25, 27-29, 31,35
X	EP 1 045 355 A (SONY INTERNATIONAL GMBH) 18 October 2000 (2000-10-18) column 7, line 12 - column 8, line 30 column 8, line 55 - column 9, line 24 column 11, line 19 - line 36 -----	1,3-6,8, 9,17, 19-21, 25, 27-29, 31,37
Y	US 4 809 359 A (DOCKERY ET AL) 28 February 1989 (1989-02-28) column 2, line 25 - column 3, line 6 -----	7,30
A	WO 98/02860 A (TELEFONAKTIEBOLAGET LM ERICSSON) 22 January 1998 (1998-01-22) page 5, line 20 - page 7, line 14 -----	18,22

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL2005/000191

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-37

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-37

System and method for allowing an user to control with a remote controller the appliances which are identified by the location signal of a sub-environment of an environment.

2. claims: 38,39

A remote control extender for controlling an appliance by associating received control data with desired IR codes and to forward the desired IR code to an IR transmitter for transmission to the selected appliance.

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IL2005/000191

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6314297	B1	06-11-2001	DE 19734312 A1	11-02-1999
			AU 732990 B2	03-05-2001
			AU 7637398 A	01-03-1999
			WO 9908470 A1	18-02-1999
			DE 59811803 D1	16-09-2004
			EP 1002441 A1	24-05-2000
			ES 2227835 T3	01-04-2005
			JP 2001522151 T	13-11-2001

US 5646608	A	08-07-1997	JP 3186390 B2	11-07-2001
			JP 7193878 A	28-07-1995

US 5552806	A	03-09-1996	NONE	

EP 1045355	A	18-10-2000	EP 1045355 A1	18-10-2000

US 4809359	A	28-02-1989	GB 2217544 A	25-10-1989

WO 9802860	A	22-01-1998	AU 3564597 A	09-02-1998
			SE 9602768 A	16-01-1998
			WO 9802860 A1	22-01-1998

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IL2005/000191

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04M1/725 G08C17/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G08C H04B H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 314 297 B1 (KARL MATTHIAS) 6 November 2001 (2001-11-06) column 1, line 55 - line 57 column 2, line 6 - column 3, line 57 -----	1,3,5,6, 8,17,19, 20,25, 27-29
X	US 5 646 608 A (SHINTANI ET AL) 8 July 1997 (1997-07-08)	1,4-6,8, 17, 19-21, 25,28, 29,35
Y	column 3, line 35 - column 6, line 59 ----- -/--	7,30

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"A" document member of the same patent family

Date of the actual completion of the international search

8 June 2005

Date of mailing of the international search report

09. 09. 2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel: (+31-70) 340-2040, Tx. 31 651 epo nl
Fax: (+31-70) 340-3016

Authorized officer

Pham, P

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IL2005/000191

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 552 806 A (LENCHIK ET AL) 3 September 1996 (1996-09-03) column 2, line 22 - column 5, line 33 -----	1,3,5,6, 8,9,17, 19,20, 25, 27-29, 31,35
X	EP 1 045 355 A (SONY INTERNATIONAL GMBH) 18 October 2000 (2000-10-18) column 7, line 12 - column 8, line 30 column 8, line 55 - column 9, line 24 column 11, line 19 - line 36 -----	1,3-6,8, 9,17, 19-21, 25, 27-29, 31,37
Y	US 4 809 359 A (DOCKERY ET AL) 28 February 1989 (1989-02-28) column 2, line 25 - column 3, line 6 -----	7,30
A	WO 98/02860 A (TELEFONAKTIEBOLAGET LM ERICSSON) 22 January 1998 (1998-01-22) page 5, line 20 - page 7, line 14 -----	18,22

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL2005/000191

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-37

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-37

System and method for allowing an user to control with a remote controller the appliances which are identified by the location signal of a sub-environment of an environment.

2. claims: 38,39

A remote control extender for controlling an appliance by associating received control data with desired IR codes and to forward the desired IR code to an IR transmitter for transmission to the selected appliance.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IL2005/000191

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6314297	B1	06-11-2001	DE 19734312 A1	11-02-1999
			AU 732990 B2	03-05-2001
			AU 7637398 A	01-03-1999
			WO 9908470 A1	18-02-1999
			DE 59811803 D1	16-09-2004
			EP 1002441 A1	24-05-2000
			ES 2227835 T3	01-04-2005
			JP 2001522151 T	13-11-2001

US 5646608	A	08-07-1997	JP 3186390 B2	11-07-2001
			JP 7193878 A	28-07-1995

US 5552806	A	03-09-1996	NONE	

EP 1045355	A	18-10-2000	EP 1045355 A1	18-10-2000

US 4809359	A	28-02-1989	GB 2217544 A	25-10-1989

WO 9802860	A	22-01-1998	AU 3564597 A	09-02-1998
			SE 9602768 A	16-01-1998
			WO 9802860 A1	22-01-1998
